

## ABSTRACT

(on USP 1<sup>st</sup> Action. )

{ An engine comprising a cylindrical Case 2 having a wheel 3 or more, mounted and geared on a straight central (crank)shaft 6 inside a cylindrical cavity of Case 2 for rotation coaxial therein, the wheel(s) contains one cylinder 41 or more in centre-side in perpendicular plan to crank axis, its central line makes angle on wheel tangent more than 45 degree, has one side opened on outwardly wheel circumference facing cavity wall of Case 2, a piston 42 mounted inside the cylinder has the ability of linear movement therein, top of piston 42 together with wall of cylinder 41 (bore) and inner surface part of Case 2 defining a combustion chamber 1, the piston 42 is mounted to other closed end of its cylinder 41 via a free flexible elastic push-arm 7 has sliding rod device, circular seals 26 fixed around each side edge of wheel 3 on its circumference 4 adapted with the Case 2, to isolate wheel performance , as three or more of seal mass 19 in radial location on the wheel circumference 4 width at designed distances to guard stroke modes of each chamber 1 in which conducted consecutively in rotating by air-fuel mixture inlet(s) 20 via valve(s) 22, spark plug(s) 9, exhaust pipe(s) 30 and air puffing inlet(s)21 at end of each exhaust stroke mounted all in Case 2 , pre-compressed air-fuel mixture boosted or injected (fed) into the chamber(s)1 and air puffed on chamber in exhaust zone from outside by using main accessories for air feeding (cylinder to store pressured air charging by compressor, pipes, and spark distributor adapted with the Crank ),fuel sprayed into pressured air to arrange mixture by a device 20 before feeding chambers under control, exhausted gases expel via specific aerodynamic opening 30 mounted in the case, valves 21,22 opened mechanically in timing against chamber(s)1, by edge of circular metal pad(s) 17, two pad used for oil and cooling services coincide around (each) wheel 3 contain radius grooves to be fed with oil from central oil canal 24 by centrifugal concept in sucking oil to supply other seals, piston servicing of oil via rod pump 10 mounted in piston sliding push-arm 7 working by its movement, linking piston oil network with crank 6 via wheel oil intake on the crank, oil is cooled while flows back to main oil tank 35 with atmosphere opening, central oil canal 24 is supplied with oil from middle oil tank 34 which kept filled by oil from main oil tank 35, wherein many wheels are inside Case each wheel could work separately by its independent fuel mixture and air feeding devices to be controlled automatically.}